

ABSTRACT OF THE INVENTION

A method and apparatus for selectively transmitting delay sensitive data (especially streaming data such as voice, video, and multimedia) via a wireless communication connection (including, for example, cellular telephone) in order to improve the quality of service while economizing on system resources by sending delay insensitive data using IP packet technology in a known manner. The method according to the present invention includes identifying whether transmitted data is delay sensitive or delay insensitive, and using a wireless communication such as cellular telephone to transmit delay sensitive data. A wireless data terminal according to the present invention includes a data analyzer for determining whether data being transmitted is delay sensitive or delay insensitive, a wireless transmission system for transmitting delay sensitive data, and a wireless packet data transmission system for transmitting delay insensitive data.